

NWS Form E-5

(04-2006)

(PRES. BY NWS Instruction 10-924)

U.S. DEPARTMENT OF COMMERCE

NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION

NATIONAL WEATHER SERVICE

HYDROLOGIC SERVICE AREA (HSA)

San Angelo, TX

MONTHLY REPORT OF HYDROLOGIC CONDITIONS

REPORT FOR:

MONTH

YEAR

September 2009

TO: Hydrologic Information Center, W/OS31
NOAA's National Weather Service
1325 East West Highway
Silver Spring, MD 20910-3283

SIGNATURE

Jason Johnson

DATE

October 21, 2009

When no flooding occurs, include miscellaneous river conditions below the small box, such as significant rises, record low stages, ice conditions, snow cover, droughts, and hydrologic products issued (NWS Instruction 10-924).

☒ An X inside this box indicates that no flooding occurred within this hydrologic service area.

The month of September delivered good rainfall amounts over a large portion of the hydrologic service area (HSA). During the second week of September, a weak upper level low moved northeast into Texas. The low was cut-off over the region and slowly meandered across central Texas. This scenario combined with several surface fronts helped to produce numerous thunderstorms and showers over the area. Many areas along and east of a line from Junction to Mertzon to Hamlin received rainfall over four to five days that totaled over three inches. Scattered areas in the Heartland and Northwest Hill Country received as much as eight inches of rain. Localized flooding was reported across a few areas, but generally the rainfall was beneficial.

The U.S. Drought Monitor showed improvements over the HSA during September by removing much of the abnormally dry to severe drought conditions across the area. At the end of the month, eastern portions of the Big Country continued to suffer from abnormally dry to moderate drought conditions.

The average precipitation reported from coop observers in September was 4.13 inches. The highest monthly precipitation total of 8.18 inches was reported in McCulloch County. Coop observers in Coleman, Concho, Haskell, Kimble, McCulloch, Menard, San Saba, Taylor, Throckmorton and Tom Green Counties received over 5.00 inches of rain in September.

The San Angelo Regional Airport received 5.66 inches of precipitation during September, which was 2.71 inches above normal for the month. For the period September 8 through 13, the Airport received 5.33 inches of rain. The monthly normal rainfall for San Angelo in September is 2.95 inches.

The Abilene Regional Airport received 3.55 inches of precipitation during September, which was 0.64 of an inch above normal for the month. For the period September 9 through 13, the Airport received 2.85 inches of rain. The monthly normal rainfall for Abilene in September is 2.91 inches.

Junction received 4.75 inches of rain during September. For the period September 9 through 12, Junction received 4.07 inches of rain. The estimated average monthly rainfall in September is about 2.3 inches.

Coop Observer Rainfall Totals for September, 2009:

Station Name	Amount (in)		Station Name	Amount (in)
Abilene 2	5.91		Mertzon 12NNW	2.73
Acton Ranch	2.72		Ozona 2	0.64
Albany	2.81		Ozona 22SE	1.33
Anson	3.18		Paint Rock	4.18
Ballinger 2NW	3.11		Putnam	4.33
Blackwell 6NE	3.64		Red Bluff Crossing	5.04
Brady	8.18		Robert Lee	2.94
Brownwood	4.64		Roscoe	M
Burkett	3.08		Rotan	2.19
Coleman	4.72		San Angelo WFO	5.70
Concho Park	3.68		San Saba 7NW	5.81
Eden	6.77		Santa Anna 12SSE	3.54
Eldorado	3.78		Silver Valley	4.63
Eldorado 10W	1.78		Sonora	2.77
Fort Griffin	3.85		Stamford	2.91
Fort McKavett	4.72		Sterling City	3.99
Glen Cove 2NE	6.70		Taylor Ranch	6.90
Hamlin	4.71		Throckmorton 7NE	4.79
Haskell	6.05		Water Valley	1.50
Hords Creek	M		Water Valley 11NE	1.68
Humble Pump	3.25		Winters 1NE	2.62
Junction 4SSW	8.16		Woodson	6.29
Lawn	4.70			
London 3N	4.14			
Menard	5.29		(M) <i>Missing data</i>	
Merkel 12SW	3.80		(T) <i>Trace</i>	

Reservoir Conditions (end of September, 2009)

Reservoir	Conservation Capacity (Ac-Ft)	End of Month Capacity (Ac-Ft)	Percent of Capacity (%)
Fort Phantom Hill	70,030	49,190	70
Lake Stamford	52,700	37,310	72
Hubbard Creek Lake	317,800	215,620	68
Hords Creek Lake	8,800	4,030	50
Lake Brownwood	131,428	90,840	69
E.V. Spence	488,760	29,660	6
O.C. Fisher	119,200	4,330	4
O.H. Ivie	554,340	248,840	45
Twin Buttes	177,800	41,930	24

Hydro Products Issued

FFA = 6

FFW = 2

FLS = 22 (Urban/Small Stream Advisory)

ESF = 2

The NWS precipitation analysis can be viewed at <http://water.weather.gov/>.

The total monthly precipitation estimate and percent of normal precipitation for September across the San Angelo HSA is depicted below.

